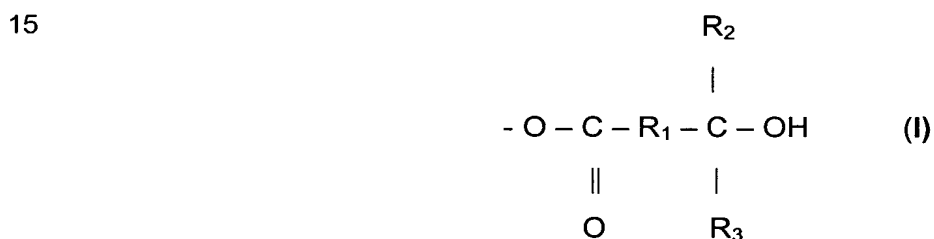


CLAIM(S)

What is claimed is:

5 1. Coating compositions comprising:

10 A) at least one hydroxy-functional polyester with at least two hydroxyl groups per molecule, at least one of which hydroxyl groups is a tertiary hydroxyl group, wherein the polyester has a weight average molecular weight M_w of 200 to 5,000, and the polyester contains 10-90 wt-%, relative to the total quantity of polyester, of at least one acid ester group comprising a tertiary hydroxyl group and of the following general formula I

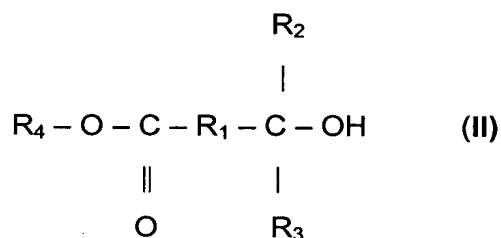


wherein R_1 is a single bond or a C1-C6 alkyl group, R_2 and R_3 mutually independently are a C1-C4 alkyl group,

25 B) optionally, at least one additional hydroxy-functional binder other than A) and
 C) at least one cross-linking agent which is capable of entering into a cross-linking reaction with the OH-groups of components A) and B).

30 2. Coating compositions according to claim 1, wherein the hydroxy-functional polyester A) contains as a structural element 40-85 wt-%, relative to the total quantity of polyester, of at least one acid ester group of the general formula I.

3. Coating compositions according to claim 1, wherein the resin solids of the coating composition contain at least 2 wt-% of the polyester A).
- 5 4. Coating compositions according to claim 1, wherein A) and B) comprise 5-100 wt-% of polyester A) and 0-95 wt-% of additional hydroxy-functional binders B), wherein the total of weight percentages of A) and B) is 100 wt-%.
- 10 5. Coating compositions according to claim 1, wherein component B) comprises at least one poly(meth)acrylate.
6. Coating compositions according to claim 1, wherein component C) comprises at least one polyisocyanate.
- 15 7. Coating compositions according to claim 1, wherein component C) comprises at least one amine/formaldehyde condensation resin.
- 20 8. Coating compositions according to claim 1, wherein the hydroxy-functional polyester A) comprises the reaction product of:
 - Aa) 10-80 wt-% of at least one hydroxy-functional compound with at least two hydroxyl groups and a number average molecular weight Mn of 62 - 500, and
 - Ab) 20-90 wt-% of at least one hydroxy-functional ester of a monocarboxylic acid of the following general formula II
- 25



wherein R_1 , R_2 and R_3 are defined in claim 1 and R_4 is a C1-C4-alkyl group and wherein the sum of the proportions of Aa) and Ab) are 100 wt-%.

- 5 9. Coating compositions according to claim 8, wherein component Aa) is a compound selected from the group consisting of monopentaerythritol, dipentaerythritol, trimethylolpropane, ditrimethylolpropane and mixtures thereof.
- 10 10. Coating compositions according to claim 8, wherein component Ab) is a compound selected from the group consisting of 2-hydroxyisobutyric acid methyl ester, 2-hydroxyisobutyric acid ethyl ester and combinations thereof.
- 15 11. A substrate coated with multiple layers of coatings wherein the outermost layer comprises a clear coating of the composition of claim 1.
12. A substrate coated with multiple layers of coatings wherein at least one of the multiple layers of coatings comprises the composition of claim 1 containing pigment.
- 20
13. A process which comprises applying the coating composition of claim 1 onto a vehicle.
- 25 14. A process which comprises repairing the finish on a vehicle by applying the composition of claim 1.